

LABORATORY DATA SHEET

CUSTOMER : ADVANTAGE METAL POWDERS  
44 SPLEEN RD  
RIDGWAY, PA 15853

DATE: 07/07/2021  
LOT NO: 49349  
MPIF#: FC-0208  
CUST CODE: AMP-4  
REVISION:  
QUANTITY: 61,570.00  
PACKAGING: 2,200 LB BAGS  
PO NUMBER:


PHYSICAL PROPERTIES	COMPOSITION %	CHEMICAL ANALYSIS %		
		ACTUAL	MIN	MAX
SCREEN ANALYSIS - MESH%	96.450% AMP REMILL			
+60 0.2	0.000%			
+100 11.2	2.000% COPPER			
+325 66.8	0.800% GRAPHITE			
-325 21.8	0.750% LUBE			
TOTAL 100.0	0.000%			
	0.000%			
	0.000%			
	0.000%			
	0.000%			
	0.000%			
	0.000%			
<u>ACTUAL</u> <u>MIN</u> <u>MAX</u>				
AD 3.13 3.05 0.00				
FLOW 34.90 38.00				

GREEN PROPERTIES

	ACTUAL	MIN	MAX
COMPACTING PRESSURE (TSI) :	35.0	0.0	42.0
GREEN DENSITY (G/CC) :	6.86	0.00	0.00
GREEN STRENGTH (PSI) :	1,472.00	1,100.00	0.00

SINTERED PROPERTIES

	ACTUAL	MIN	MAX
SINTERED DENSITY (G/CC) :	6.74	0.00	0.00
DIMENSIONAL CHANGE (%) :	0.46	0.42	0.52
TRS (PSI) :	138,505	100,000	0
HARDNESS (HRB) :	82	75	0
TEMPERATURE (F) :	2,050		
ATMOSPHERE :	100% N2		
TIME (MIN) :	20		

SIGNED :  07/07/2021  
 Nicholas Tomblin  
 Lab Supervisor      DATE SIGNED